

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Ugo Conti

Serial No.: To be Assigned

Filed: Herewith

For: METHOD AND APPARATUS FOR
MEASURING CHARACTERISTICS OF
GEOLOGICAL FORMATIONS

Group Art Unit: 2862

Examiner: Snow, Walter E.

Atty. Dkt. No.: 23.0002D2

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

EXPRESS MAIL MAILING LABEL	
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DATE OF DEPOSIT January 8, 2004	
I hereby certify that this paper or fee is being deposited with the United States Postal Services "Express Mail Post Office to Addressee Service" on the date above.	
<u>Kerry Morris</u> Kerry Morris	

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R. §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

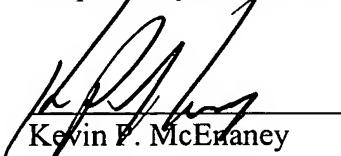
This application is a divisional application of Serial No. 09/879,252, filed December 16, 2001, and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) copies of documents that were previously submitted to the Patent and Trademark Office in prior application Serial No. 09/879,252 are not enclosed.

Applicant respectfully requests that the listed documents be made of record in the present case.

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Date Jan 8, 2004

Respectfully submitted,


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FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
23.0002 CIPSERIAL NO.
UnknownLIST OF INFORMATION PROVIDED
BY APPLICANT

(Use several sheets if necessary)

APPLICANT:
Ugo ContiFILING DATE:
UnknownGROUP
Unknown

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
	AA	5,646,533	07/08/97	Locatelli et al.
	AB			
	AC			
	AD			
	AE			
	AF			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation Yes No
	AG				
	AH				

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

	AI	Nekut, Crosswell Electromagnetic Tomography in Steel-Cased Wells, May-Ji 1995, Geophysics, Vol. 60, No. 3, pp. 912-920
	AJ	
	AK	
	AL	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Attorney Docket No.: 10917-000420US	Application No.: --Unknown--		
			Applicant: UGO CONTI			
			Filing Date: --Herewith--	Group:		
Reference Designation		U.S. PATENT DOCUMENTS				Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
1	4,748,415	05/31/88	Vail, III	324	339	
2	4,901,023	02/13/90	Vail, III	324	339	
3	4,903,207	02/20/90	Alger et al.	364	422	04/14/88
4	5,018,590	05/28/91	Weldon	175	105	02/08/90
5	5,038,107	08/06/91	Gianzero et al.	324	339	
6	5,065,100	11/12/91	Vail, III	324	339	
7	5,130,655	07/14/92	Conti	324	258	
8	5,157,392	10/20/92	Zimmer	340	853.9	10/01/90
9	5,260,661	11/09/93	Vail, III	324	339	
10	5,283,520	02/01/94	Martin et al.	324	220	
11	5,426,367	06/20/95	Martin et al.	324	339	
12	5,586,082	12/17/96	Anderson et al.	367	73	03/02/95
13	5,621,169	04/15/97	Harris et al.	73	152.18	09/10/96
14	5,646,533	07/08/97	Locatelli et al.	324	339	
15	5,654,639	08/05/97	Locatelli et al.	324	339	
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
16	Uchida, T. et al, "Effect of a steel casing on crosshole EM measurements," <u>SEG Annual Meeting, Expanded Abstract, Houston, Texas, 1991</u>					
17	Wilt, M. et al, "Crosshole electromagnetic tomography: A new technology for oil field characterization," <u>The Leading Edge, 1995, pp. 173-177.</u>					
18	Wilt, M.J. et al. "Crosswell electromagnetic tomography: System design consideration and field results," <u>Geophysics, Vol 60, Bi, 3m 1995.</u>					
19	Wilt, Michael et al., "Electromagnetic methods for development and production: State of the art," <u>The Leading Edge, pp. 487-490 (April 1998)</u>					
20	Wu, Xu et al, "Influence of steel casings on electromagnetic signals," <u>Geophysics, Vol 59, No. 3, 1994.</u>					
21	Augustin, A.M. et al, "A theoretical study of surface-to-borehole electromagnetic logging in cased holes," <u>Geophysics, Vol 54, No. 1, 1989.</u>					
EXAMINER		DATE CONSIDERED				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Attorney Docket No.: 10917-000410US		Application No.: 09/290,156		
		Applicant: UGO CONTI				
		Filing Date: April 12, 1999		Group:		
Reference Designation		U.S. PATENT DOCUMENTS				
						Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
1	4,748,415	05/31/88	Vail	324	339	04/29/86
2	4,901,023	02/13/90	Vail	324	339	05/31/88
3	5,038,107	08/06/91	Gianzero et al.	324	339	12/21/89
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11	Wilt, Michael et al., <u>Electromagnetic methods for development and production: State of the art</u> , The Leading Edge, pp. 487-490 (April 1998)					

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			Applicant: Ugo Conti			
			Filing Date: April 12, 1999		Group: 2856	
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Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AA	4,903,207	02/20/90	Alger et al.	364	422	04/14/88
AB	5,018,590	05/28/91	Weldon	175	105	02/08/90
AC	5,157,392	10/20/92	Zimmer	340	853.9	10/01/90
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
AI	Toshihiro Uchida et al, <u>Effect of a steel casing on crosshole EM measurements</u> , SEG Annual Meeting, Expanded Abstract, Houston, Texas, 1991					
AJ	Wilt M. Lee et al, <u>Crosshole electromagnetic tomography: A new technology for oil field characterization</u> , The Leading Edge, 1995, pp 173-177.					
AK	M.J. Wilt et al. <u>Crosswell electromagnetic tomography: System design consideration and field results</u> : Geophysics, Vol 60, Bi, 3m 1995.					
AL	Xu Wu et al, <u>Influence of steel casings on electromagnetic signals</u> : Geophysics, Vol 59, No. 3, 1994.					
AM	A.M. Augustin et al, <u>A theoretical study of surface-to-borehole electromagnetic logging in cased holes</u> : Geophysics, Vol 54, No. 1, 1989.					
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